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Polyester monofilament for textile fabric, contains thermoplastic elastomer as core component having predefined average diameter

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Patent Family:

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JP 2000154428	A	20000606	JP 99254022	A	19990908	200038 B

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Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000154428	A	13	D01F-006/92		

Abstract (Basic): JP 2000154428 A

NOVELTY - A polyester monofilament consists of 0.5-30 weight percent (wt.%) of thermoplastic elastomer (TE). When polyester monofilament is cut perpendicularly in the cross-section along fiber axis, the core component containing elastomer of average diameter of 0.1-5 mum, exists in the shape of circle.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for the manufacture of polyester monofilament which involves melt mixing 0.1-8 wt.% of TE pellet with powder of fatty acid metal salt, fatty acid amide, polyolefin, silica, calcium carbonate and/or fluoro resin. The molten mixture is adhered to polyester and melt spinning is performed.

USE - As textile fabric for paper-making industry, filters, belts (claimed) for sanitary product, cement filter, dryer canvas.

ADVANTAGE - The polyester monofilament excels in durability, permeability and antiwear quality. The polyester monofilament is manufactured efficiently.

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Derwent Class: A23; A88; F01; F09; Q64

International Patent Class (Main): D01F-006/92

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